
Program Viewbook

Master of Science in Financial Technology (MScFT)

Program Description

The Master of Science in Financial Technology (MScFT) program is a graduate program designed to equip future finance professionals and business leaders with the expertise and strategic insight needed to connect emerging financial technologies with traditional financial systems, data-driven decision-making, and real-world business applications. The program balances rigorous teaching and learning in areas such as blockchain, digital payments, data analytics, and algorithmic finance with strong foundations in business strategy, innovation, and regulatory compliance. In response to the growing global demand for FinTech professionals, the curriculum emphasizes both technological fluency and ethical responsibility.

The curriculum has been further enhanced to incorporate emerging areas such as digital risk management and Green FinTech, aligning the program with evolving industry needs and global sustainability priorities.

Graduates of the MScFT program will be well prepared to assume leadership and advisory roles at the intersection of finance, technology, regulations, policy and innovation. They will possess the strategic and managerial capabilities to evaluate, implement, and govern FinTech solutions across diverse financial and business environments. Potential career pathways include FinTech Strategy Manager, Digital Banking Transformation Leader, Blockchain and Payments Consultant, Innovation and Product Development Manager, Financial Data Analytics Manager, Cybersecurity and Risk Specialist, and Regulatory Compliance Officer. Graduates may also work as Investment and Technology Advisors, Financial Services Analysts, or Research Associates in FinTech Policy and Innovation. The program prepares professionals for employment across financial institutions, consulting firms, technology providers, regulatory bodies, and start-ups, where expertise in digital finance and responsible technology adoption and deployment is in high demand.

Program Learning Outcomes (PLOs)

- PLO 1.** Apply advanced financial knowledge to evaluate alternatives and optimize decision-making within dynamic and digitally enabled markets.
- PLO 2.** Apply advanced data analytics to analyze financial data, model risks, and develop innovative financial solutions.
- PLO 3.** Critically evaluate, select, and apply FinTech innovations to drive sustainable financial transformation.
- PLO 4.** Evaluate and apply ethical, regulatory, governance, and cybersecurity frameworks to ensure responsible FinTech solutions.
- PLO 5.** Design, execute, and communicate applied research or professional projects fostering entrepreneurship and addressing real-world financial technology challenges.

Program Completion Requirements

The Master of Science in Financial Technology (MScFT) degree shall be awarded to a student who is officially enrolled in the program and has fulfilled the following requirements:

- Successful completion of 33 credit hours.
- Achievement of a minimum cumulative GPA of 3.0 on a 4.0 scale.
- Completion of at least 75% of total program credit hours at CUD.
- Completion of the Graduation Project while enrolled at CUD.

Program Structure

Core Courses	21 Cr. Hrs.
Electives	06 Cr. Hrs.
Applied Project	06 Cr. Hrs.
Total	33 Cr. Hrs.

List of Courses

I. Core Courses				
Course			Prerequisite	Cr. Hrs.
				21
MBA	642	Managerial Finance	None	3
MIT	604	Blockchain Technology	None	3
MFT	632	FinTech Innovations and Venture Creation	None	3
MFT	625	Data Analytics in Finance	None	3
MFT	626	Digital Banking, Payments and Financial Services	MIT 604	3
MFT	627	Digital Risk Management	MFT 626	3
MBA	643	Business Research Methods	None	3

II. Elective Courses				
Course			Prerequisite	Cr. Hrs.
Elective Courses (06 Credits): Students are required to select two courses from the following courses				06
MIT	623	Business Intelligence	None	3
MFT	642	Decentralized Finance	MFT 626	3
MFT	643	Cybersecurity and Digital Resilience in Finance	MFT 626	3
MFT	644	Green FinTech	None	3

III. Practical Experience & Projects				
Course			Pre/Co-requisite	Cr. Hrs.
Students are required to select ONE course from the following courses				06
MFT	700	Applied FinTech Research Project	Completion of 21 Cr. Hrs. (Including MBA 643)	6
MFT	710	Applied FinTech Consulting Project		

Three Semesters Study Plan

Semester	Course Code	Subject Title	Prerequisite	Cr. Hrs.
Semester 1	Cycle 1			
	MBA 642	Managerial Finance	None	3
	MIT 604	Blockchain Technology	None	3
	Cycle 2			
	MFT 632	FinTech Innovations and Venture Creation	None	3
	MFT 625	Data Analytics in Finance	None	3
Total Semester Credit Hours				12
Semester 2	Cycle 1			
	MFT 626	Digital Banking, Payments and Financial Services	MIT 604	3
	MBA 643	Business Research Methods	None	3
	Cycle 2			
	MFT 627	Digital Risk Management	MFT 626	3
		Elective Course*		3
Total Semester Credit Hours				12
Semester 3		Elective Course*		3
	MFT 700	Applied FinTech Research Project	Completion of 21 Cr. Hrs. (including MBA 643)	6
	OR			
	MFT 710	Applied FinTech Consulting Project	Completion of 21 Cr. Hrs. (including MBA 643)	6
	Total Semester Credit Hours			
Program Total Credit Hours:				33

** Note: The specific elective course(s), including course code, title, and prerequisite, will be finalized and implemented at the time of offering in accordance with the approved program structure.*